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10/022867 ZA

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UNITED STATES PATENT

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The
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Patents and Trademarks

Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America for the term set forth below, subject to the payment of maintenance fees as provided by law.

If this application was filed prior to June 8, 1995, the term of this patent is the longer of seventeen years from the date of grant of this patent or twenty years from the earliest effective U.S. filing date of the application, subject to any statutory extension.

If this application was filed on or after June 8, 1995, the term of this patent is twenty years from the U.S. filing date, subject to any statutory extension. If the application contains a specific reference to an earlier filed application or applications under 35 U.S.C. 120, 121 or 365(c), the term of the patent is twenty years from the date on which the earliest application was filed, subject to any statutory extension.

L. Todd Johnson

Commissioner of Patents and Trademarks

Thomas E. Darbyshire

Attest

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NOTICE

If the application for this patent was filed on or after December 12, 1980, maintenance fees are due three years and six months, seven years and six months, and eleven years and six months after the date of this grant, or within a grace period of six months thereafter upon payment of a surcharge as provided by law. The amount, number and timing of the maintenance fees required may be changed by law or regulation. Unless payment of the applicable maintenance fee is received in the Patent and Trademark Office on or before the date the fee is due or within a grace period of six months thereafter, the patent will expire as of the end of such grace period.

[54] **REMOTE CONTROL DOOR LOCK SYSTEM**

5,852,944 12/1998 Collard, Jr. et al. 70/278

[75] Inventor: **Andrew M Pickard, Carrollton, Tex.**

OTHER PUBLICATIONS

[73] Assignees: **Jon J. Dillon; John G. Carros, both of Richardson, Tex.**

Brochure, Weiser Lock, Powerbolt Home Access System, ©1997 Masco Building Products Corporation.
DeMaste, Sarah, "Remote Access Locksets Gain Wider Distribution," National Home Center News, apr. 27, 1998, pp. 37-38.

[21] Appl. No.: **09/133,937**

Primary Examiner—Jeffrey Gaffin

[22] Filed: **Aug. 14, 1998**

Assistant Examiner—Peter Zura

[51] Int. CL⁶ **H01H 35/00**

Attorney, Agent, or Firm—Akin, Gump, Strauss, Hauer & Field

[52] U.S. Cl. **307/117; 340/825.31; 340/825.72**

[58] Field of Search **307/112, 113, 307/116, 117, 139, 140, 141, 141.8, 149; 340/500, 825, 825.31, 825.44, 825.71, 825.72**

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,453,161	6/1984	Lemelson	340/825.31
4,573,046	2/1986	Pinnow	340/825.56
4,763,121	8/1988	Tomoda et al.	340/825.54
4,794,268	12/1988	Nakano et al.	307/10.2
4,996,525	2/1991	Becker, Jr. et al.	340/825.31
5,107,258	4/1992	Soum	340/825.31
5,437,174	8/1995	Aydin	70/278
5,477,213	12/1995	Atarashi	340/825.31
5,490,698	2/1996	Dezso	292/138
5,508,692	4/1996	Wolfram	340/825.31
5,625,349	4/1997	Disbrow et al.	340/825.31
5,638,056	6/1997	Nakashima et al.	340/825.71
5,648,764	7/1997	Nose et al.	340/825.32
5,650,774	7/1997	Droni	340/825.32
5,699,685	12/1997	Jahrsetz et al.	70/264
5,729,198	3/1998	Gorman	340/539

[57] **ABSTRACT**

A wireless remote control lock system for residential and commercial building pedestrian doors includes an electrically powered striker plate assembly having a striker plate member moveable between positions for engagement and disengagement with a door latch member. The striker assembly is adapted to be connected to a control unit which supplies low voltage DC power to the striker assembly and includes a radio frequency range signal receiver and a circuit responsive to receiving signals from an operator controlled radio transmitter to effect indefinite or momentary operation of the striker assembly to unlock a door. The control unit circuit includes a first self-latching relay, a selector switch and a second relay for selecting an operating mode of the system wherein the door may be unlatched momentarily (for about 3.5 seconds, for example) or indefinitely until a second signal is transmitted by the transmitter to the receiver.

19 Claims, 2 Drawing Sheets

